

TITLE

HIGH RETENTION SANITIZER SYSTEMSABSTRACT

An aqueous composition suitable for use as a high-retention sanitizer,
5 especially on irregular and/or non-horizontal surfaces and surfaces on which water
does not readily spread, a method for sanitizing a surface using the composition,
and kits comprising components of the composition. The composition contains an
organic peracid, preferably peracetic acid, or other antimicrobial agent, and a
retention aid. The retention aid preferably is provided as a concentrate for
10 admixture with the antimicrobial agent at point of use and comprises a mixture of a
non-ionic surfactant, an ionic surfactant, and optionally a water-soluble magnesium
ion source; or a mixture of a biopolymer thickening agent and at least one
surfactant, and optionally a water-soluble magnesium ion source. In either
retention aid, the magnesium ion source stabilizes foams formed from the retention
15 aids in hard water and maintains retention aid concentrates in a liquid state at room
temperature if one of the surfactants is sodium lauryl sulfate, or magnesium lauryl
sulfate or mixture thereof. The composition is preferably applied as a foam to the
surface of the object to be sanitized.